



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

## NOTICE OF ACCEPTANCE (NOA)

ClimateCraft, Inc.  
1427 NW 3<sup>rd</sup> Street  
Oklahoma City, OK 73106

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: CAH Series Air Handler Unit

**APPROVAL DOCUMENT:** Drawing No. CLC0001, titled "CAH Series Air Handler", sheets 1 through 6 of 6, prepared by Product Technology Corporation, dated 11/12/2004, last revision "C" dated 07/25/2005, signed and sealed by Eric S. Nielsen, P.E. on 07/27/2005, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

### MISSILE IMPACT RATING: Large and Small Missile Impact

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence submitted page (s) as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



*Helmy A. Makar*  
08/11/2005

NOA No 05-0111.02  
Expiration Date: 08/11/2010  
Approval Date: 08/11/2005  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. CLC0001, titled " CAH Series Air Handler ", sheets 1 through 6 of 6, prepared by Product Technology Corporation, dated 11/12/2004, last revision "C" dated 07/25/2005, signed and sealed by Eric S. Nielsen, P.E. on 07/27/2005.*

**B. TESTS**

1. *Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
4) ASTM E-72 (Racking Test).  
5) ASTM E-8.*

*along with marked-up drawings and installation diagram of CAH Air Handling Unit, prepared by Architectural Testing, Test Report No. 52379.01-801-18, dated October 05, 2004, signed and sealed by Steven M. Urich, P.E.*

**C. CALCULATIONS**

1. *Anchor calculation prepared by Product Technology Corporation, dated December 20, 2004, sheets 1 through 5 of 5, signed and sealed by Eric S. Nielsen, P.E. on December 20, 2004.*

**D. QUALITY ASSURANCE**


1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

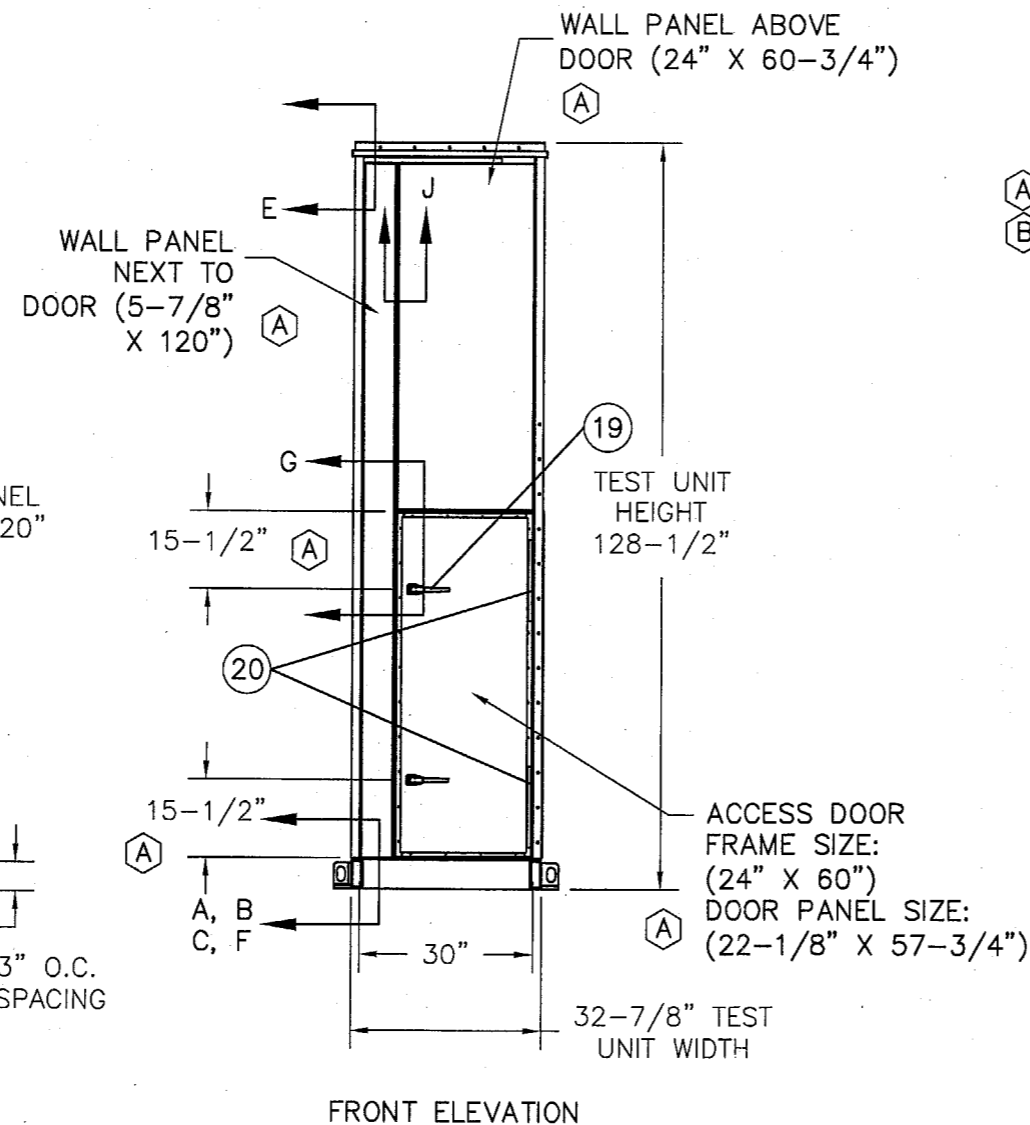
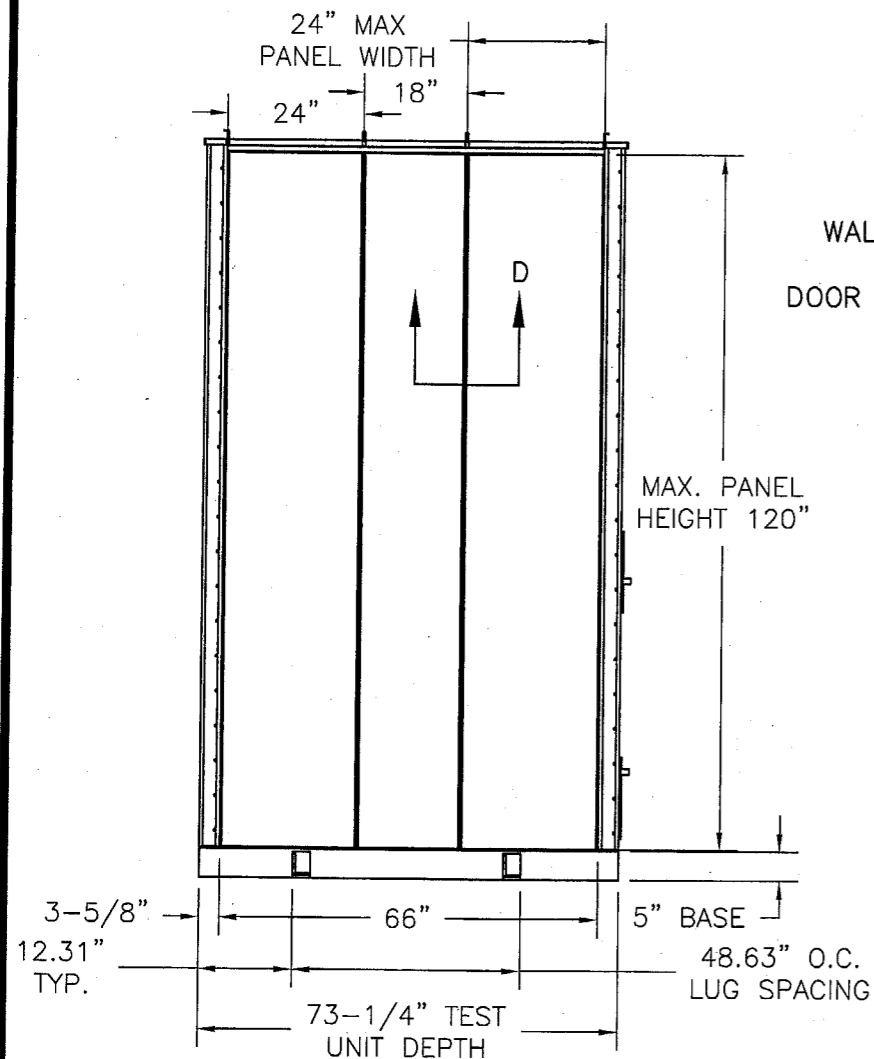
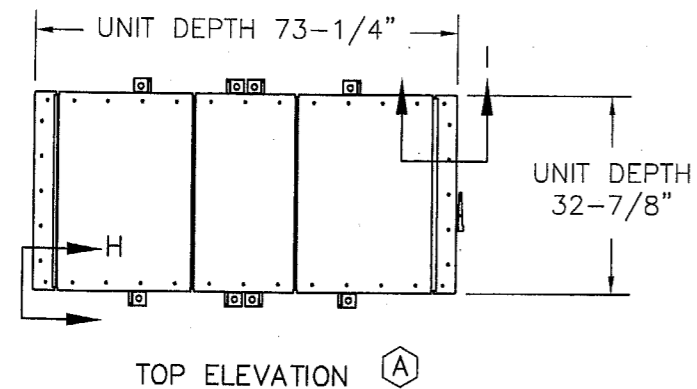
1. *None.*

**F. STATEMENTS**

1. *Statement letter of conformance by Product Technology Corporation, dated December 06, 2004, signed and sealed by Eric S. Nielsen, P.E. on December 20, 2004.*



Helmy A. Makar, P. E.  
Product Control Examiner  
NOA No 05-0111.02  
Expiration Date: 08/11/2010  
Approval Date: 08/11/2005



#### GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE HVHZ OF THE FLORIDA BUILDING CODE.
- (A) 2) STEEL CURB OR STRUCTURAL STEEL DUNNAGE TO BE DESIGNED & ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. CURB OR STRUCTURAL STEEL ARE RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD & IS NOT PART OF THE SCOPE OF THIS PRODUCT APPROVAL. THEY SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPT.
- 3) PRODUCTS ARE APPROVED FOR USE WHERE LARGE MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.
- (A) 4) FOR MAXIMUM ROOF/FLOOR & WALL PANELS SEE DESIGN PRESSURE CHARTS.
- (A) 5) THE DOOR FRAME CONSISTED OF AN ALUMINUM INNER ANGLE & AN OUTER STAINLESS STEEL ANGLE. A THERMAL BREAK GASKET WAS LOCATED BETWEEN THE INNER & OUTER ANGLE. THE CORNERS OF THE OUTER ANGLE WERE WELDED & THE CORNERS OF THE INNER ANGLE WERE BUTTED & SEALED WITH SILICONE. THE INNER & OUTER ANGLES WERE SECURED TOGETHER WITH 14 FLAT HEAD ALUMINUM RIVETS. TWO RIVETS WERE INSTALLED IN THE HEAD & SILL LOCATED 5-1/2" FROM EACH END, AND FIVE IN EACH JAMB LOCATED 5-1/2" FROM EACH END & ON 12" SPACING THEREAFTER.
- (A) 6) THE DOOR FRAME HINGE JAMB WAS SECURED TO THE CORNER FRAME MEMBER WITH TEN 5/16"-18 BY 1-1/4" STAINLESS STEEL HEX BOLTS & NUTS WITH ONE CONICAL SEALING WASHER & TWO 5/16" FLAT WASHERS. THE BOLTS WERE LOCATED @ 3" FROM EACH END & ON 6" CENTERS THEREAFTER. THE DOOR FRAME LOCK JAMB WAS SECURED TO THE LEFT PANEL & TO A 2" BY 4" BY 1/8" THICK STEEL ANGLE WITH TEN 5/16"-18 BY 1-1/4" STAINLESS STEEL HEX HEAD BOLTS & NUTS WITH ONE CONICAL SEALING WASHER & TWO 5/16" FLAT WASHERS. THE BOLTS WERE LOCATED @ 3" FROM EACH END & ON 6" CENTERS THEREAFTER. THE DOOR FRAME HEAD WAS SECURED TO THE PANEL ABOVE WITH FOUR 5/16"-18 BY 1-1/4" STAINLESS STEEL HEX HEAD BOLTS & NUTS WITH ONE CONICAL SEALING WASHER & TWO 5/16" FLAT WASHERS. THE BOTTOM FRAME MEMBER WAS TAPPED TO ACCEPT THE BOLTS. A THERMAL BREAK GASKET WAS LOCATED BETWEEN THE DOOR FRAME & THE SURROUNDING MEMBERS. THE INTERIOR SKIN OF THE DOOR WAS SECURED TO THE OUTER SKIN WITH #12 BY 1" SELF-TAPPING SCREWS LOCATED 5-1/2" FROM EACH END & ON 6" CENTERS THEREAFTER. THE HINGE WAS SECURED TO THE HINGE STILE WITH #12 BY 1" SELF-TAPPING SCREWS LOCATED 2", 11", & 17" FROM THE TOP & BOTTOM OF THE JAMB. THE DOOR HAD TWO BRASS DOOR LATCHES ON THE INTERIOR & TWO ON THE EXTERIOR LOCATED 15-1/2" FROM THE TOP & BOTTOM OF THE LOCK STILE.

#### WALL PANELS

MAX. DESIGN PRESSURE  
+110.0 PSF & -110.0 PSF

#### ROOF PANELS

MAX. DESIGN PRESSURE  
+82.5 PSF & -82.5 PSF

#### WALL PANELS

MAX. RACKING FORCE  
47.0 lbs./L. IN. OF  
WALL PANEL

Approved as complying with the  
Florida Building Code  
Date 08/11/2005  
NOA# 05-0111-02  
Miami Dade Product Control  
Division  
By Helmut H. Nelson

SHEET	SHEET DESCRIPTION
1	ELEVATION & GENERAL NOTES
2	BASE DETAILS & ANCHORING
3-5	VERTICAL & HORIZONTAL CROSS SECTIONS
6	BILL OF MATERIALS & COMPONENTS

C	PER DADE MARK UPS DATED 07/21/05	07/25/05	JVS
B	PER DADE MARK UPS DATED 06/29/05	07/06/05	JVS
A	PER DADE MARK UPS DATED 05/12/05	05/26/05	JVS
SYM	REVISION	DATE	BY

*Eric S. Nielsen*  
7/22/05  
Eric S. Nielsen  
Florida P. E. No. 41323  
Product Technology Corporation  
1150 Louisiana Ave., Suite 6  
Winter Park, Florida 32789  
FBPE Certificate of Authorization NO. 8681

**ClimateCraft**

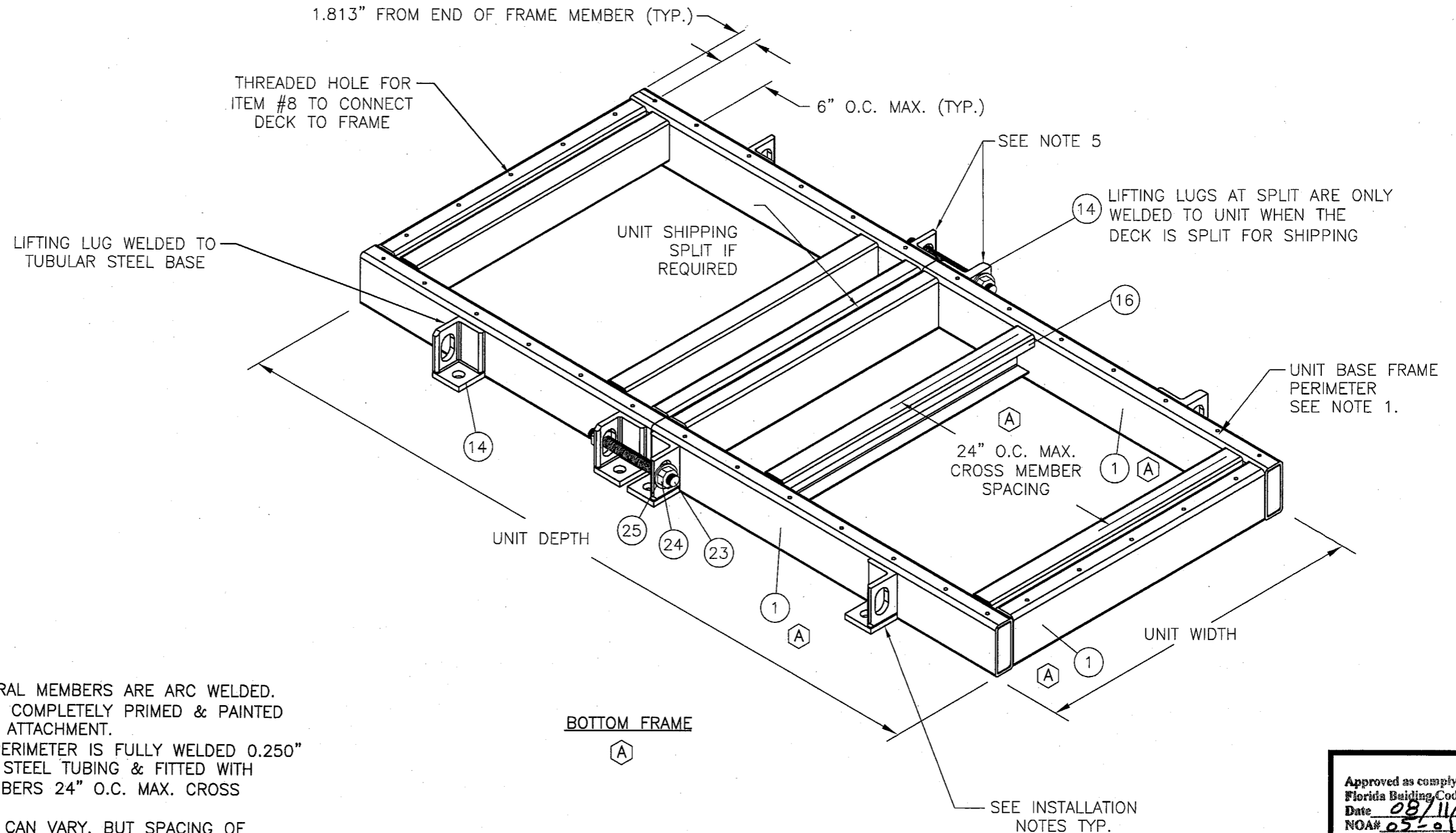
1427 N.W. 3rd STREET., OKLAHOMA CITY, OK 73106

TITLE: CAH SERIES AIR HANDLER  
ELEVATIONS & GENERAL NOTES

PREPARED BY: **PTC**  
Product Technology Corporation

DRN: BB DATE: 11/12/04  
SCALE: N.T.S. DWG. NO: CLC0001  
REV: C SHEET: 1 OF 6

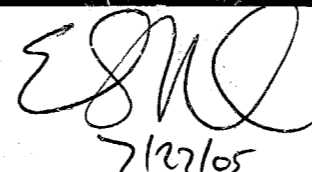
Phone 407.622.6334 Fax 407.622.6335





# NOTES:

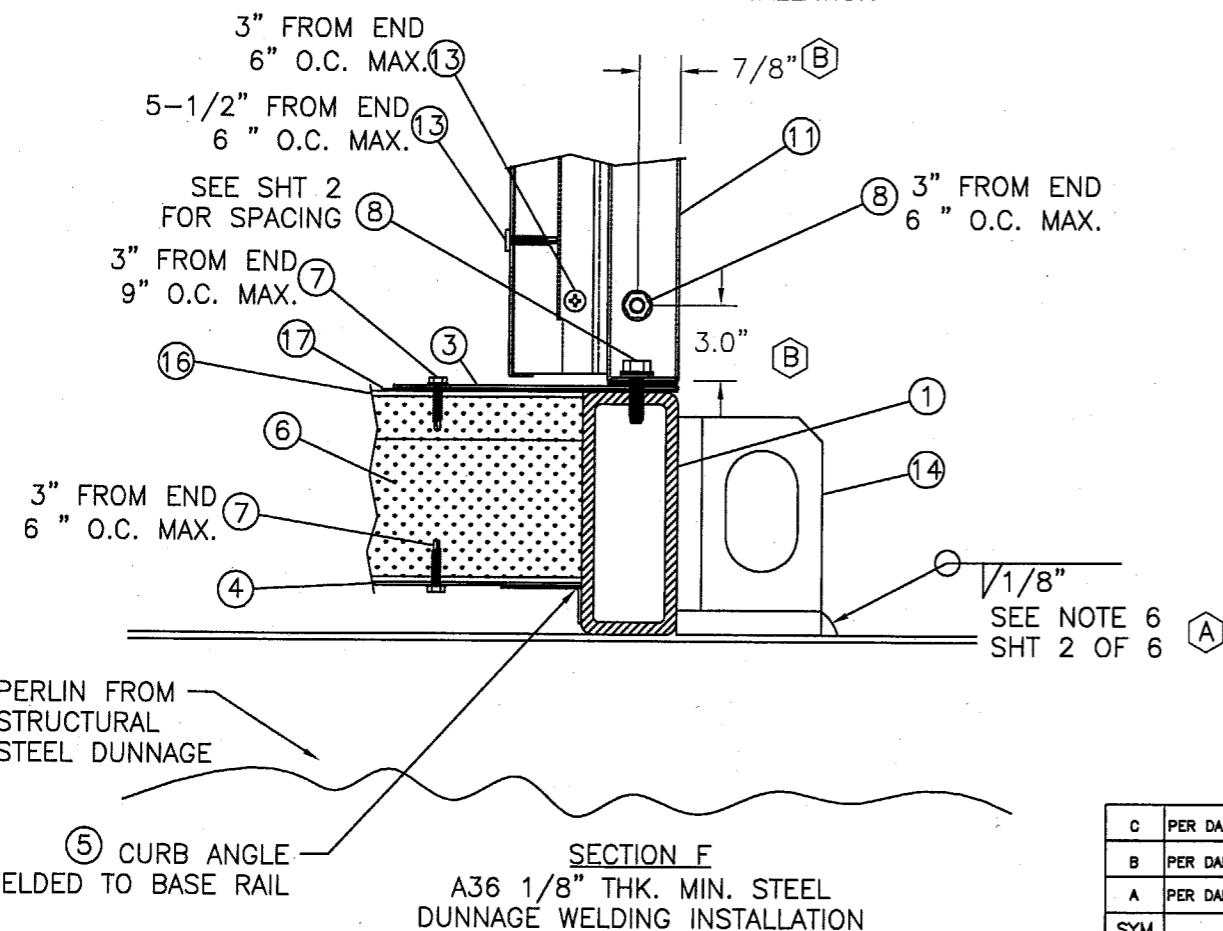
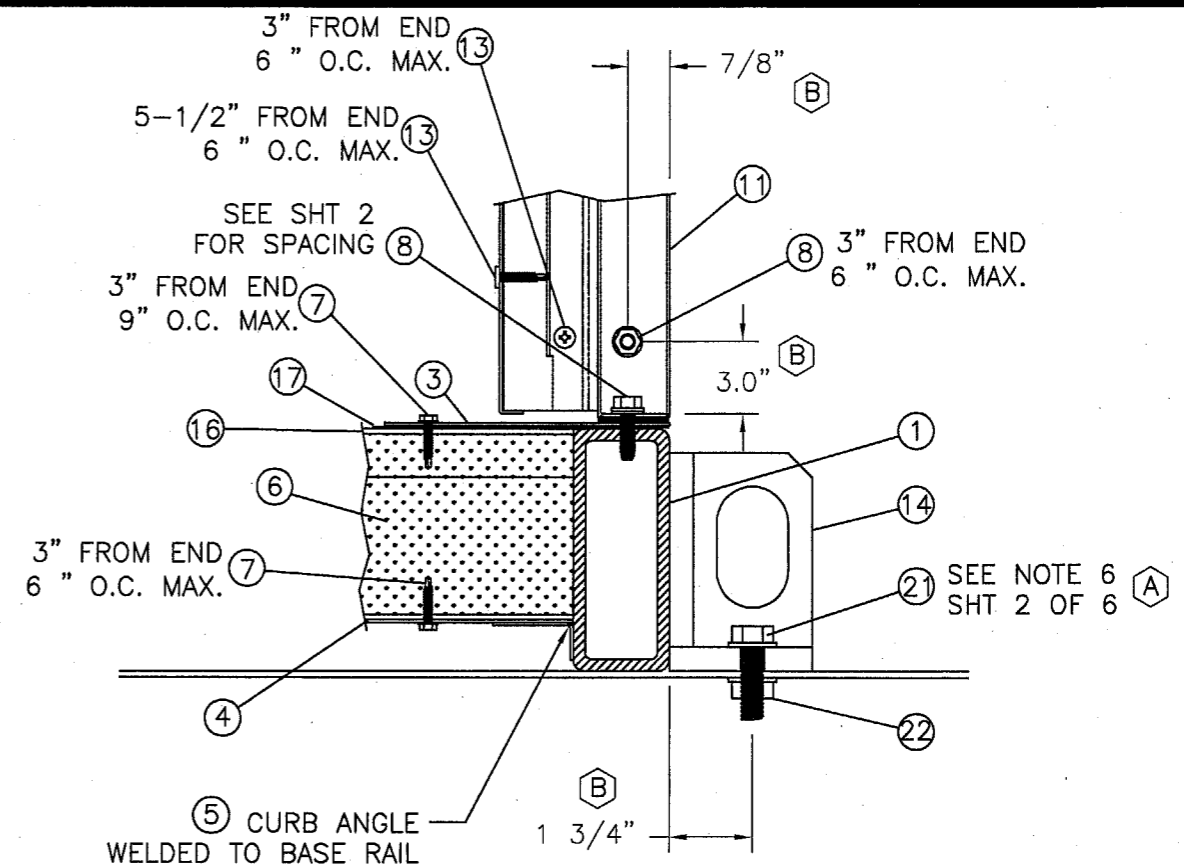
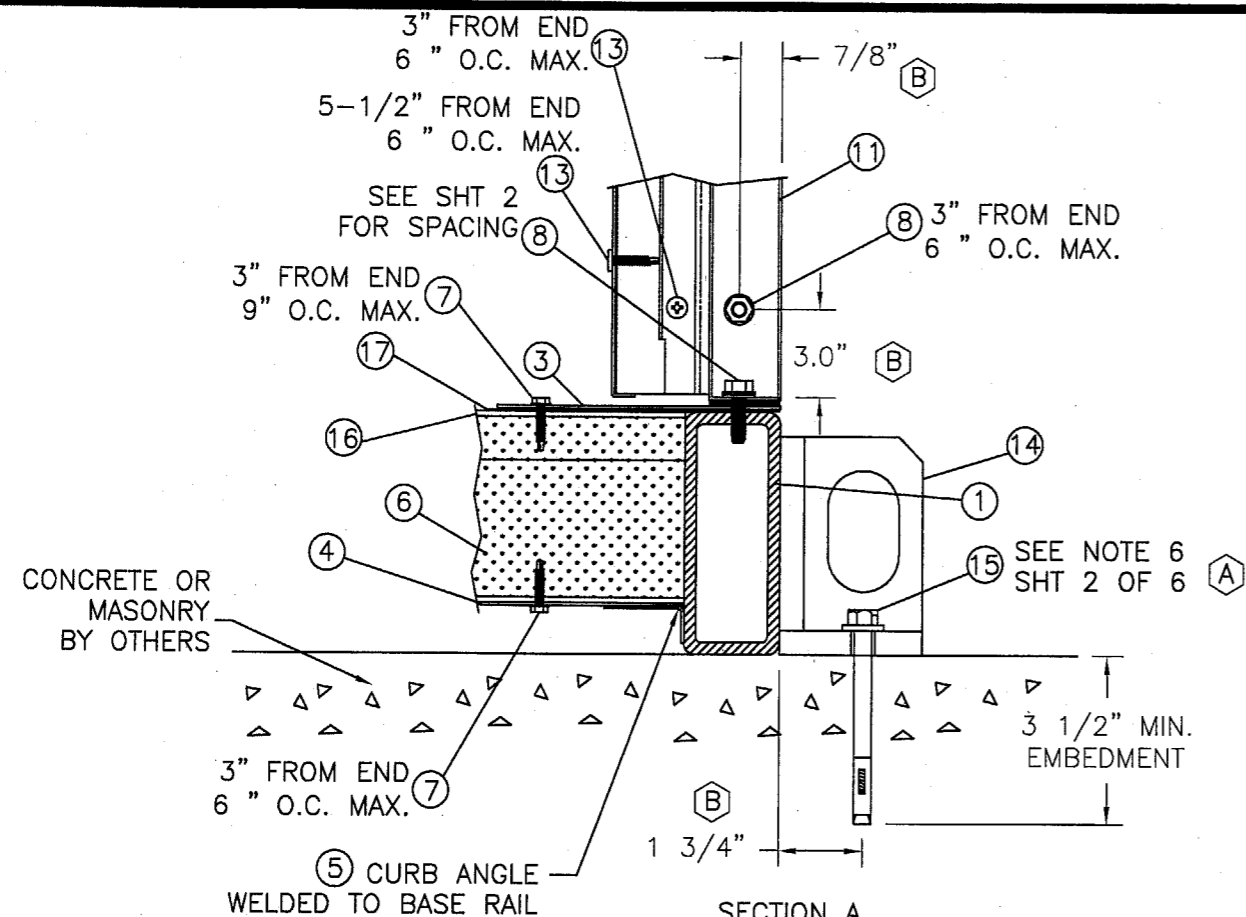
- 1) ALL JOINTS OF STRUCTURAL MEMBERS ARE ARC WELDED.
- 2) UNIT BASE AS SHOWN IS COMPLETELY PRIMED & PAINTED PRIOR TO FLOOR PANEL ATTACHMENT.
- 3) THE UNIT BASE FRAME PERIMETER IS FULLY WELDED 0.250" THICKNESS STRUCTURAL STEEL TUBING & FITTED WITH C-CHANNEL CROSS MEMBERS 24" O.C. MAX. CROSS MEMBER SPACING.
- 4) AIR HANDLING UNIT SIZE CAN VARY, BUT SPACING OF PANELS SPAN NOT TO EXCEED MAXIMUM ROOF / FLOOR & WALL PANEL WIDTH AS SHOWN ON SHEET 1 OF 5.
- 5) ITEMS #23, #24 & #25 ARE ONLY USED WHEN DECK IS SHIPPED IN TWO HALVES.
- 6) DESIGN & SIZE OF TUBULAR STEEL FRAMEWORK BASE RAIL WILL VARY FROM JOB TO JOB & THEIR STRUCTURAL ADEQUACY AS WELL AS THAT OF THE SUPPORT & ATTACHMENT DETAILS. ANCHORAGE TO THE ROOF ARE NOT PART OF THE SCOPE OF THIS APPROVAL. SAID DESIGN/DETAILS SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPT.

C	PER DADE MARK UPS DATED 07/21/05	07/25/05	JVS
B	PER DADE MARK UPS DATED 06/29/05	07/06/05	DRL
A	PER DADE MARK UPS DATED 05/12/05	05/26/05	JVS
SYM	REVISION	DATE	BY

  
 7/27/05  
 Eric S. Nielsen  
 Florida P. E. No. 41323  
 Product Technology Corporation  
 1150 Louisiana Ave., Suite 6  
 Winter Park, Florida 32789  
 FBPE Certificate of Authorization NO. 8681

<b>ClimateCraft</b> 1427 N.W. 3rd ST., OKLAHOMA CITY, OK 73106			
TITLE: CAH SERIES AIR HANDLER BASE DETAIL & ANCHORING			
PREPARED BY:  Product Technology Corporation		DRN: BB SCALE: N.T.S. REV: C	DATE: 11/12/04 DWG. NO: CLC0001 SHEET: 2 OF 6

Approved as complying with the  
 Florida Building Code  
 Date: 08/11/2005  
 NOA#: 05-011.02  
 Miami Dade Product Control  
 Division  
 By: 



#### NOTES:

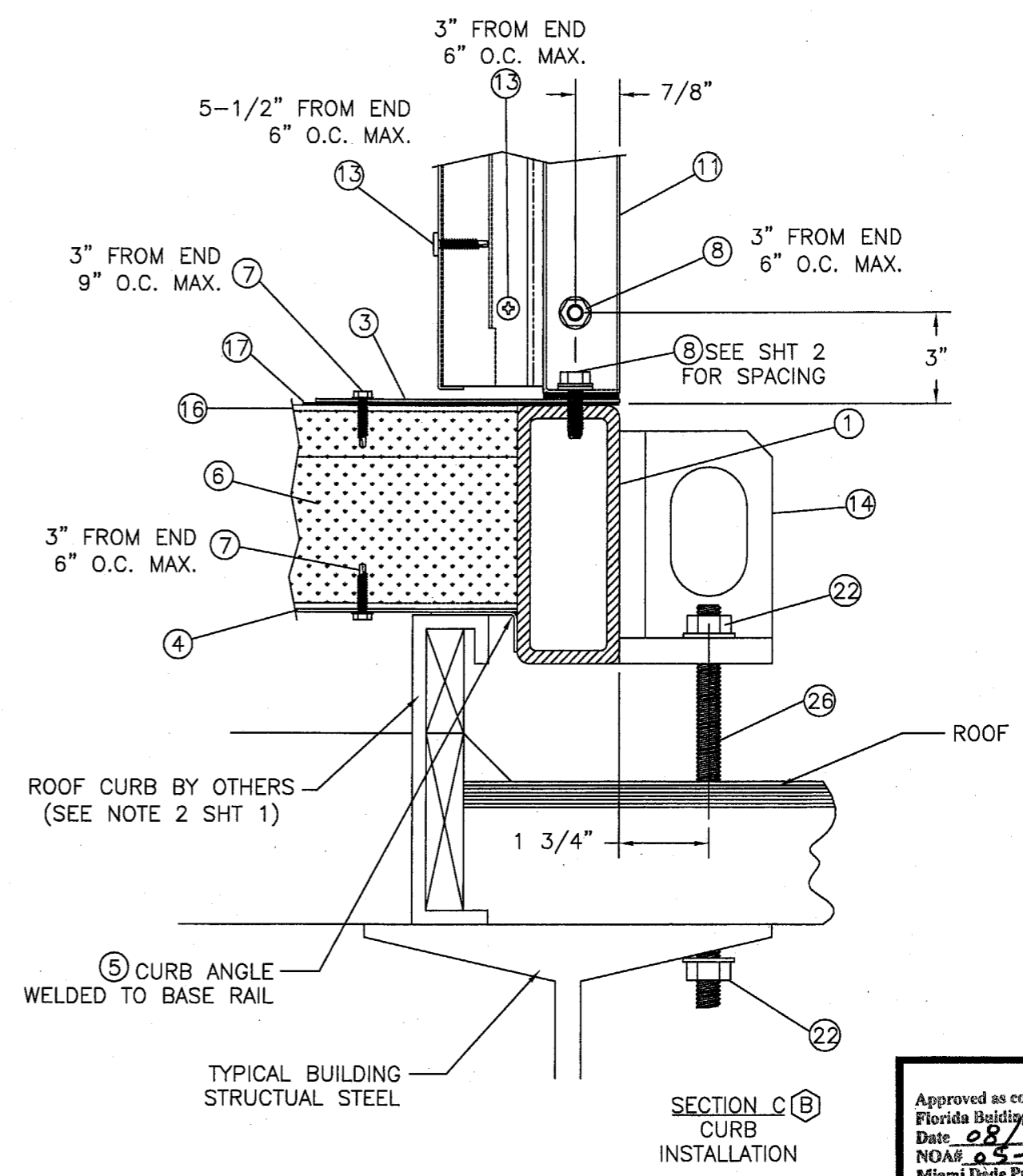
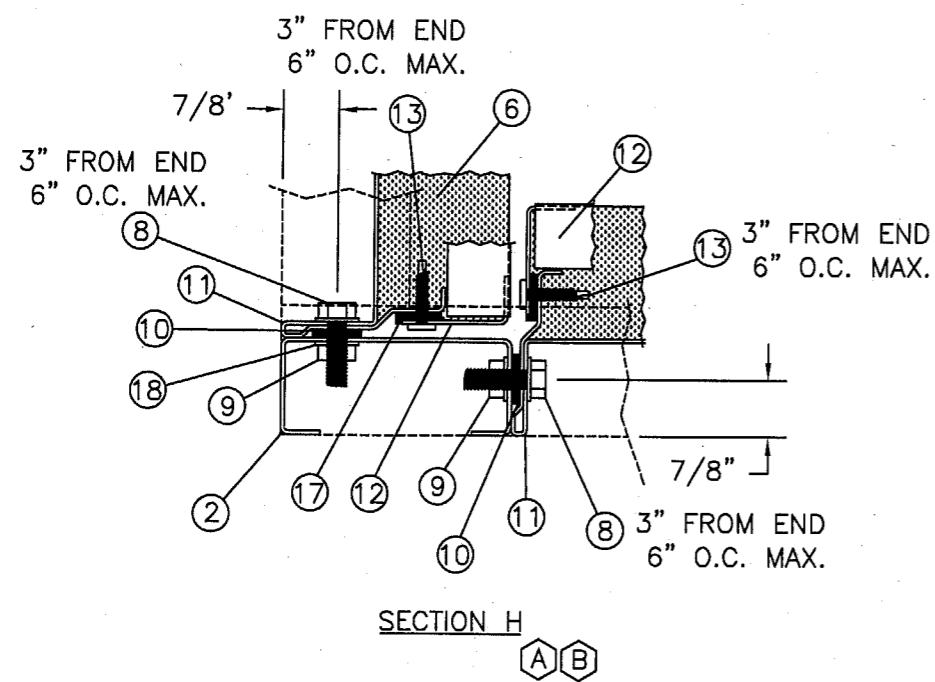
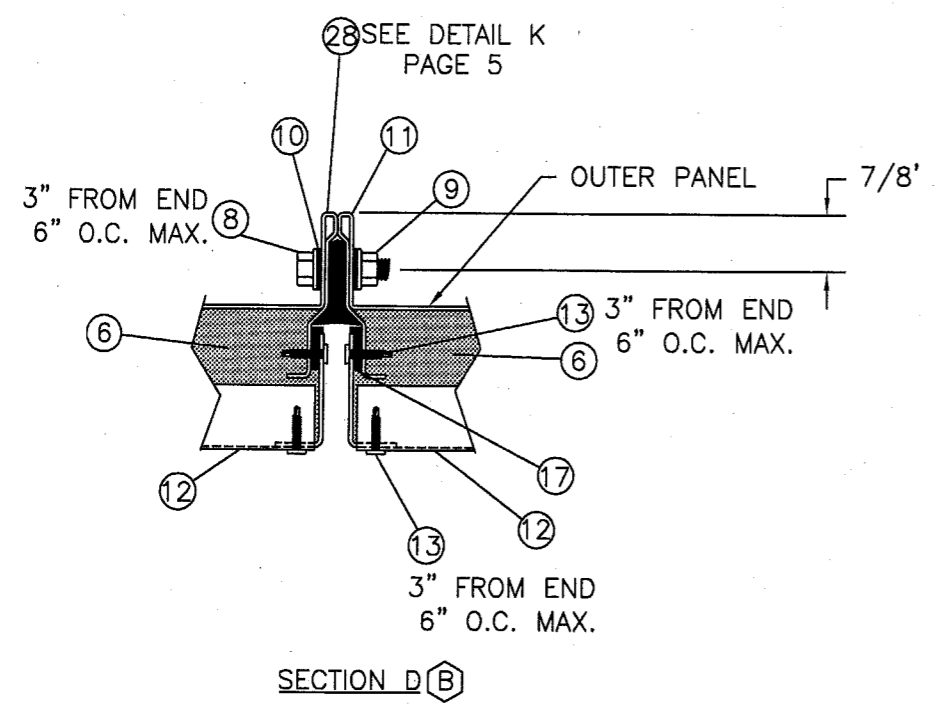
- DOUBLE WALL THICKNESS CAN BE 2, 3, OR 4 INCHES.  
THE BLANKET TYPE FIBERGLASS INSULATION HAS THERMAL  
AND ACOUSTICAL PROPERTIES THAT MEET OR EXCEED A 3  
POUND DENSITY RATING AND A FIRE HAZARD  
CLASSIFICATION OF 25/50 (PER ASTM E-84 AND UL-723).
- STANDARD INNER CASINGS PANELS ARE SOLID 20ga.  
(A) (MIN. .0370") G-90 GALVANIZED STEEL WHICH MAY BE USED  
IN ANY COMBINATION AS MAY BE REQUIRED THROUGHOUT  
(B) THE AIR HANDLING UNIT CASING.

Approved as complying with the  
Florida Building Code  
Date 08/11/2005  
NOA# 05-0111-02  
Miami Dade Product Control  
Division  
By Helmut A. Melen

C	PER DADE MARK UPS DATED 07/21/05	07/08/05	JVS
B	PER DADE MARK UPS DATED 06/29/05	07/08/05	DRL
A	PER DADE MARK UPS 05/26/05	05/26/05	JVS
SYM	REVISION	DATE	BY

*ESN*  
7/27/05  
Eric S. Nielsen  
Florida P. E. No. 41323  
Product Technology Corporation  
1150 Louisiana Ave., Suite 6  
Winter Park, Florida 32789  
FBPE Certificate of Authorization NO. 8861


<b>ClimateCraft</b> 1427 N.W. 3rd ST., OKLAHOMA CITY, OK 73106 TITLE: CAH SERIES AIR HANDLER VERTICAL CROSS SECTIONS			
PREPARED BY: <b>PTC</b> Product Technology Corporation Phone 407.622.6334 Fax 407.622.6335	DRN: BB SCALE: N.T.S. REV: C	DATE: 11/12/04 DWG. NO: CLC0001 SHEET: 3 OF 6	



Approved as complying with the  
Florida Building Code  
Date 08/11/2005  
NOA# 05-0111-02  
Miami Dade Product Control  
Division  
By Helmut A. Miller

C	PER DADE MARK UPS 07/21/05	07/25/05	JVS
B	PER DADE MARK UPS 06/29/05	07/06/05	JVS
A	PER DADE MARK UPS 05/12/05	05/26/05	JVS
SYM	REVISION	DATE	BY

*ESN*  
7/27/05  
Eric S. Nielsen  
Florida P. E. No. 41323  
Product Technology Corporation  
1150 Louisiana Ave., Suite 6  
Winter Park, Florida 32789  
FBPE Certificate of Authorization NO. 8681

**ClimateCraft** 

1427 N.W. 3rd ST., OKLAHOMA CITY, OK 73106

TITLE: CAH SERIES AIR HANDLER VERTICAL CROSS SECTIONS

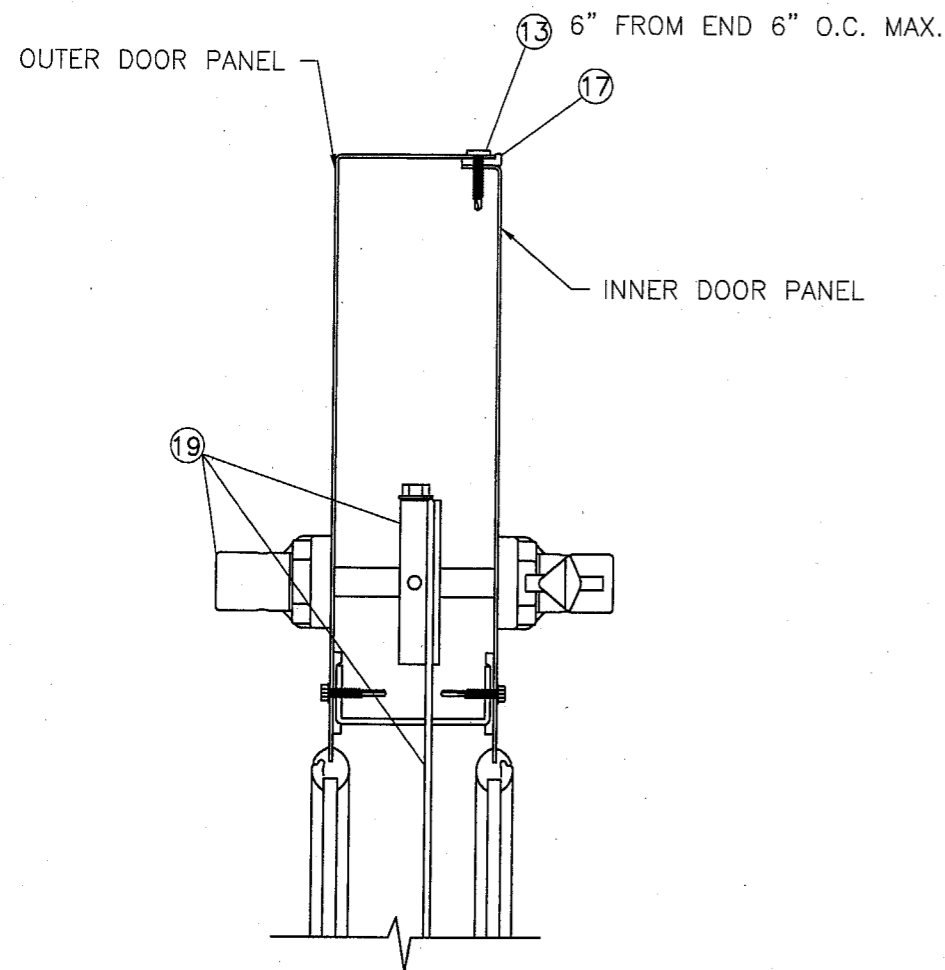
PREPARED BY: **PTC** Product Technology Corporation

DRN: BB DATE: 11/12/04

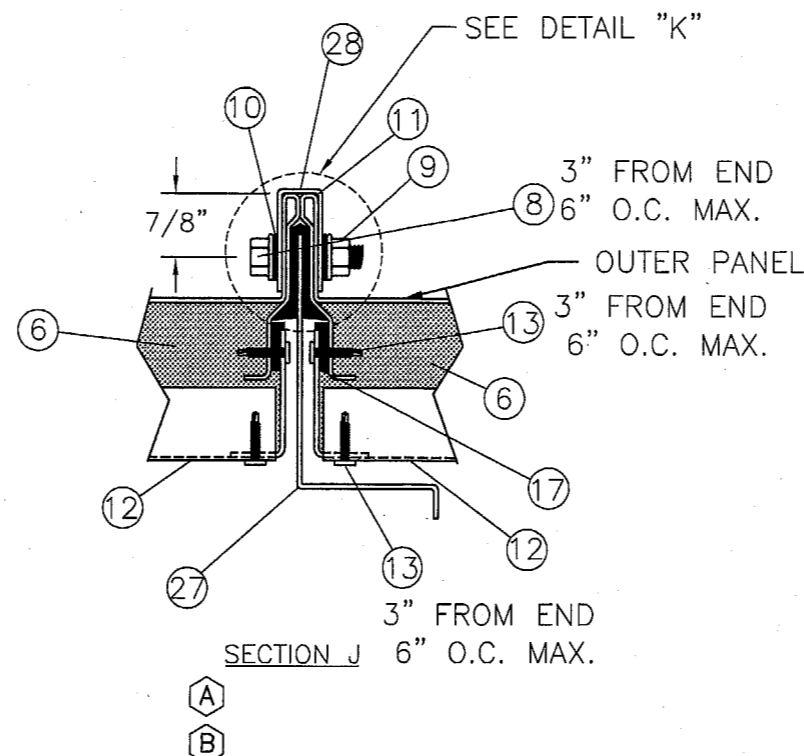
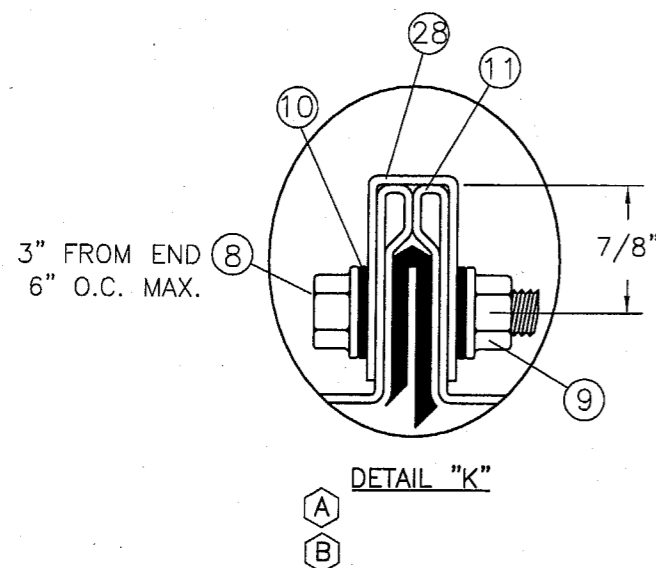
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REV: C SHEET: 4 OF 6

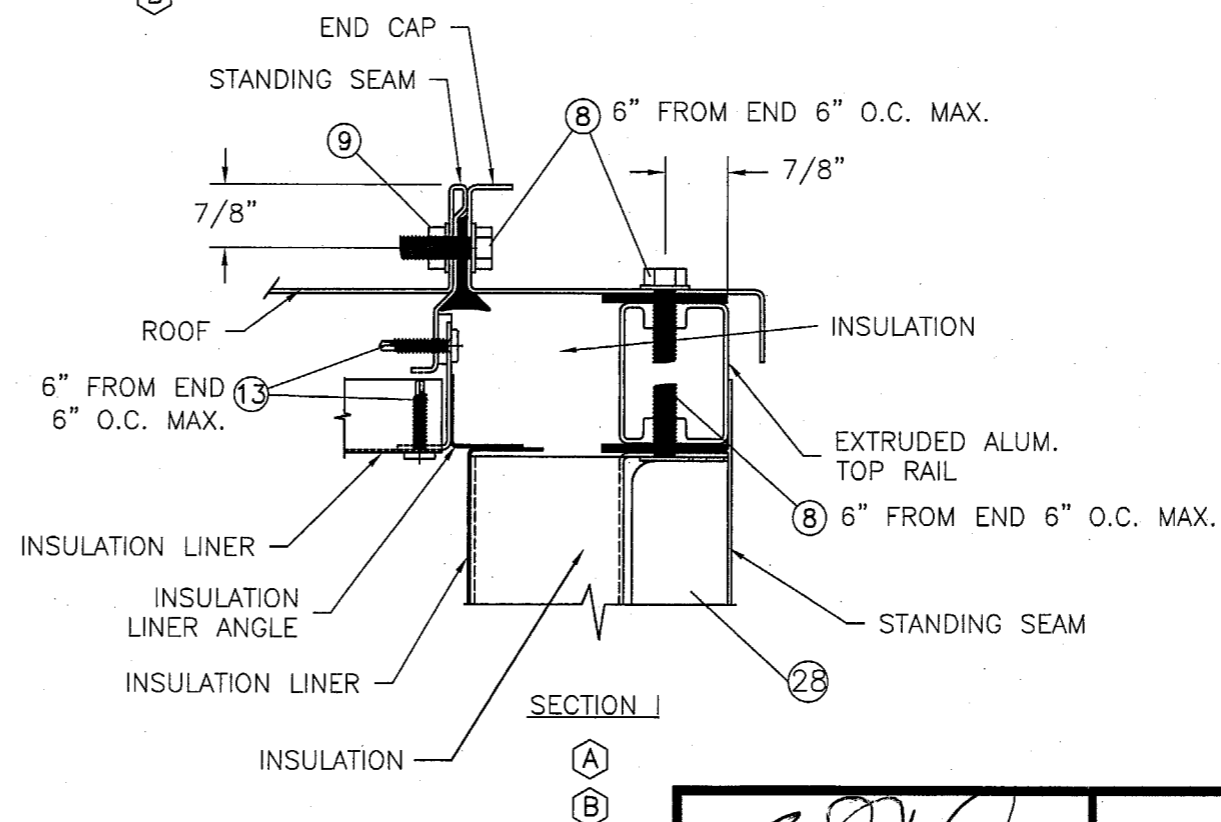
Phone 407.622.6334 Fax 407.622.6335



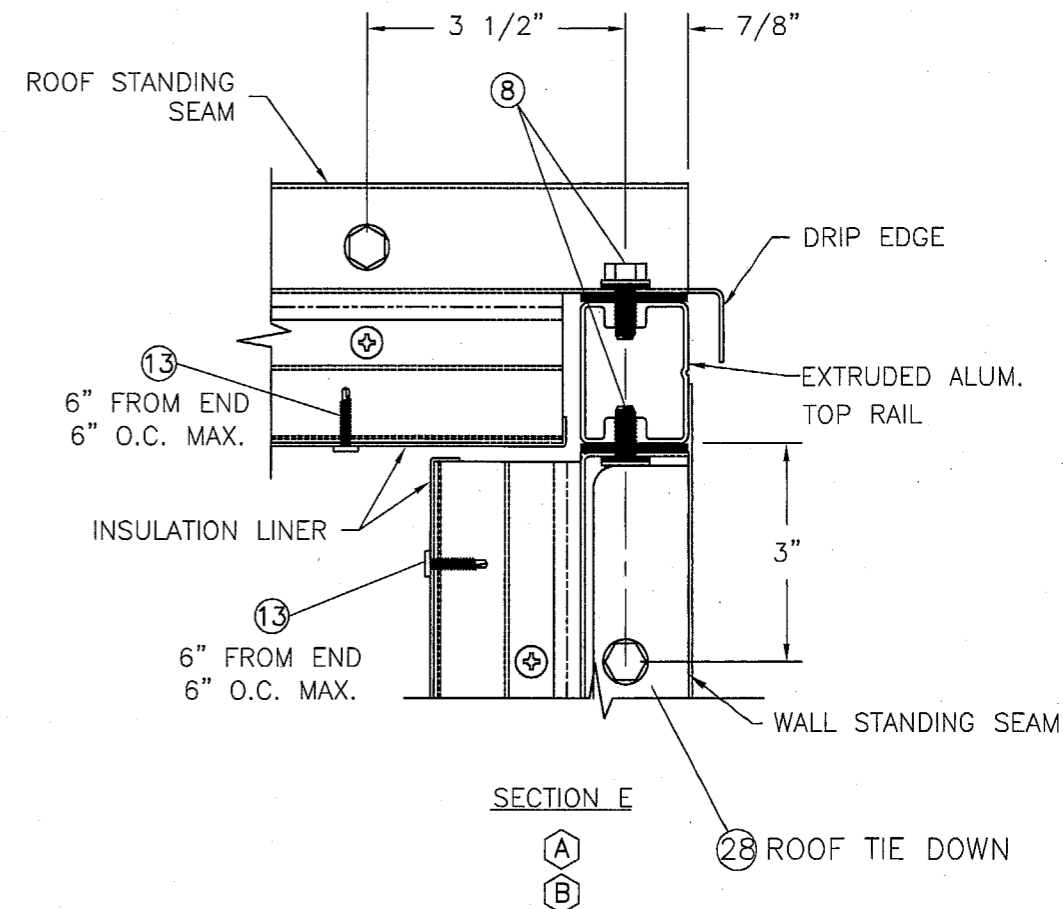
SECTION G  
(DOOR PANEL ONLY)



SECTION J



SECTION I



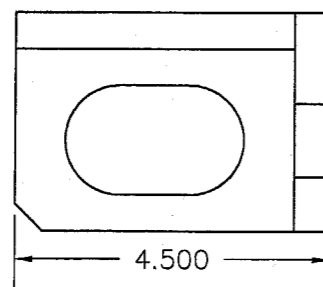
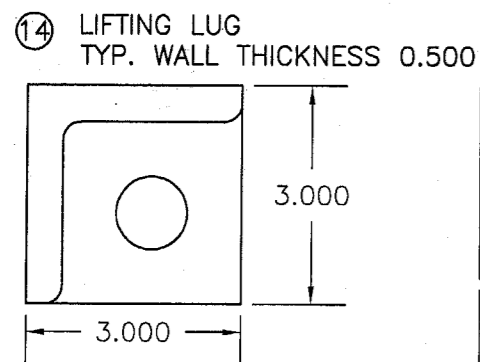
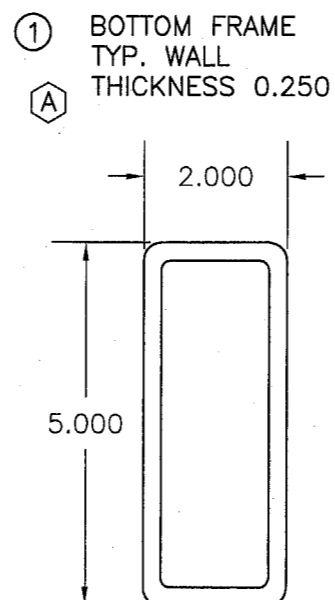
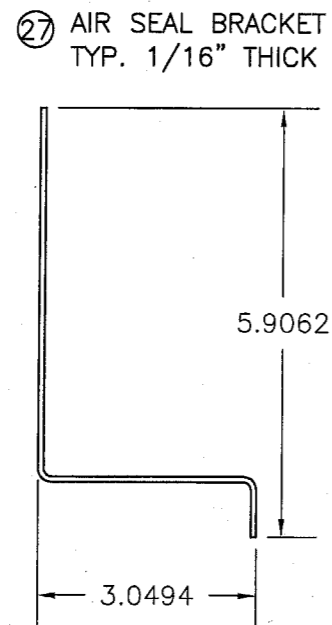
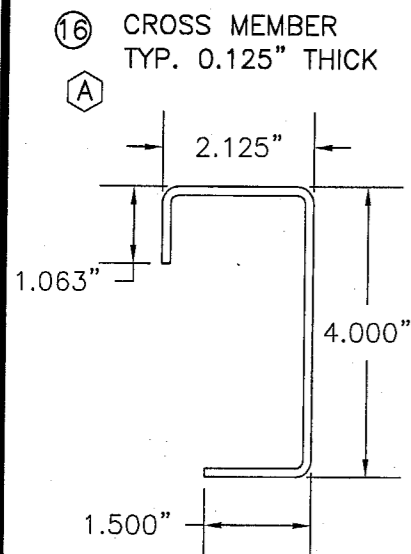
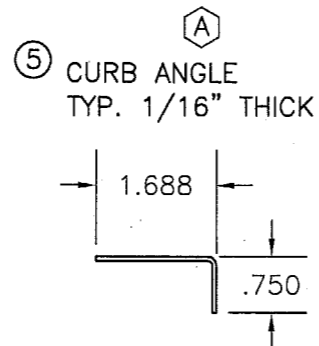
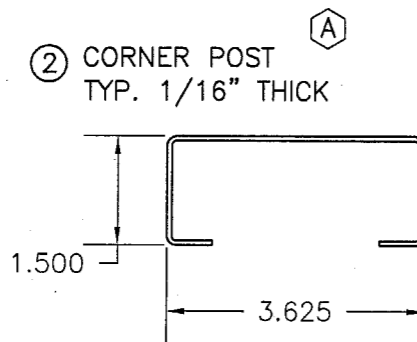
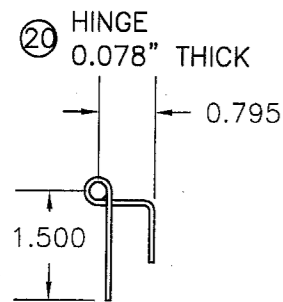
SECTION E

Approved as complying with the  
Florida Building Code  
Date 08/11/2005  
NOAH 05-011-02  
Miami Dade Product Control  
Division  
By Helmy A. Haddad

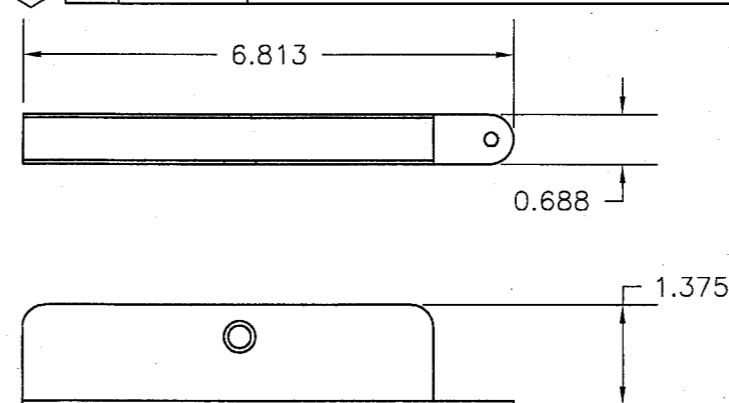
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B	PER DADE MARK UPS DATED 06/29/05	07/06/05	DRL
A	PER DADE MARK UPS 05/12/05	05/26/05	JVS
SYM	REVISION	DATE	BY

*Eric S. Nielsen*  
7/27/05  
Eric S. Nielsen  
Florida P. E. No. 41323  
Product Technology Corporation  
1150 Louisiana Ave., Suite 6  
Winter Park, Florida 32789  
FBPE Certificate of Authorization NO. B681

**ClimateCraft**  
1427 N.W. 3rd ST., OKLAHOMA CITY, OK 73106  
TITLE: CAH SERIES AIR HANDLER  
VERTICAL CROSS SECTIONS  
PREPARED BY: **PTC** Product Technology Corporation  
DRN: BB DATE: 11/12/04  
SCALE: N.T.S. DWG. NO: CLC0001  
REV: C SHEET: 5 OF 6  
Phone 407.622.6334 Fax 407.622.6335



BILL OF MATERIALS			
NO.	PART NO.	DESCRIPTION	VENDOR
1		BOTTOM FRAME MEMBER 2" X 5" X 1/4" STEEL TUBE	CLIMATECRAFT
2		CORNER POST 1-1/2" X 1/16" STEEL C-CHANNEL	CLIMATECRAFT
3		INNER FLOOR 16 GA. G-90 GALVANIZED STEEL (0.059" MIN.)	CLIMATECRAFT
4		OUTER FLOOR 20 GA. G-90 GALVANIZED STEEL (0.037" MIN.)	CLIMATECRAFT
5		CURB ANGLE 3/4" X 1-13/16" X 16 GA. GALVANIZED STEEL	CLIMATECRAFT
6		BLANKET TYPE FIBERGLASS INSULATION	
7		#12-24 X 1" HEX HEAD SELF TAPPING SCREW	
8		5/16"-18 X 1-1/4" S.S. HEX HEAD BOLT	
9		5/16"-18 NUT	
10		CONICAL SEALING WASHER	
11		OUTER CASING 16 GA. G-90 GALVANIZED STEEL (0.059" MIN.) Fy=43 KSI	CLIMATECRAFT
12		INNER CASING 20 GA. G-90 GALVANIZED STEEL (0.037" MIN.) Fy=40KSI	CLIMATECRAFT
13		#12 X 1" SELF TAPPING SCREWS	
14		LIFTING LUG	CLIMATECRAFT
15		1/2" HILTI KWICK BOLT II STAINLESS STEEL CONCRETE ANCHOR	"BY OTHERS"
16		CROSS MEMBER 2.125" x 4.0" x 11 GA. STEEL	CLIMATECRAFT
17		1/8" THERMAL BREAK GASKET	
18		5/16" FLAT WASHER	
19		DOOR HANDLE ASSEMBLY	CLIMATECRAFT
20		PHWR-001-001 HINGE 14 GA. 304 STAINLESS STEEL LEAVES W/1/4" DIA. 304 STAINLESS STEEL PIN	CLIMATECRAFT
21		1/2" HEX HEAD STAINLESS STEEL BOLT	"BY OTHERS"
22		1/2" STAINLESS STEEL NUT & WASHER	"BY OTHERS"
23		1" DIA. STAINLESS STEEL THREADED ROD	
24		1" STAINLESS STEEL NUT	
25		1" STAINLESS STEEL WASHER	
26		1/2" DIA. STAINLESS STEEL THREADED ROD	"BY OTHERS"
27		AIR SEAL BRACKET	CLIMATECRAFT
28		ROOF TIE DOWN	CLIMATECRAFT



②⑧ ROOF TIE DOWN  
TYP. WALL  
THICKNESS 16 GA.

C	PER DADE MARK UPS 07/21/05	07/25/05	JVS
B	PER DADE MARK UPS 06/29/05	07/06/05	JVS
A	PER DADE MARK UPS 05/17/05	05/26/05	JVS
SYM	REVISION	DATE	BY

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7/27/05  
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TITLE: CAH SERIES AIR HANDLER  
BILL OF MATERIALS & COMPONENTS  
PREPARED BY: **PTC** Product Technology Corporation  
DRN: BB DATE: 11/12/04  
SCALE: N.T.S. DWG. NO: CLC0001  
REV: C SHEET: 6 OF 6  
Phone 407.622.6334 Fax 407.622.6335

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Miami Dade Product Control  
Division  
By Helmut A. Kuhn